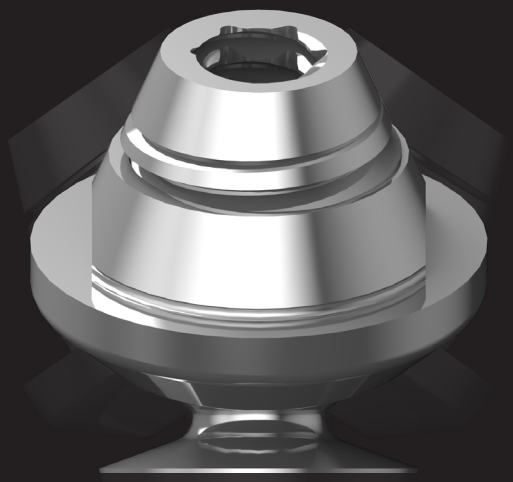
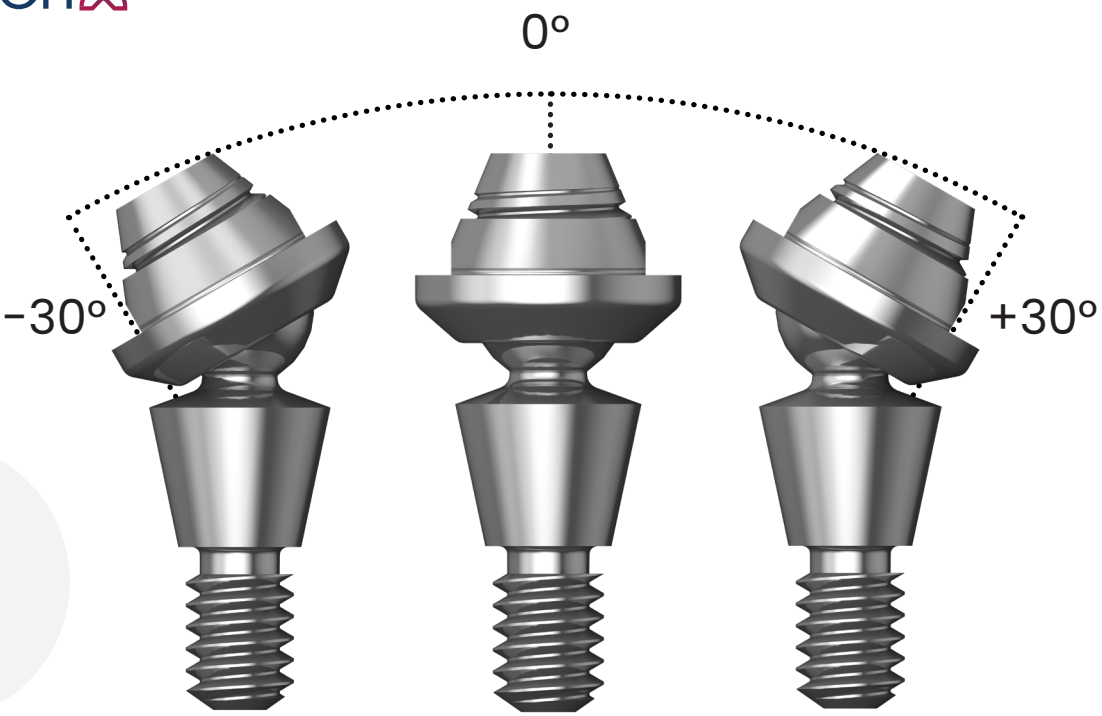
SmartOnX



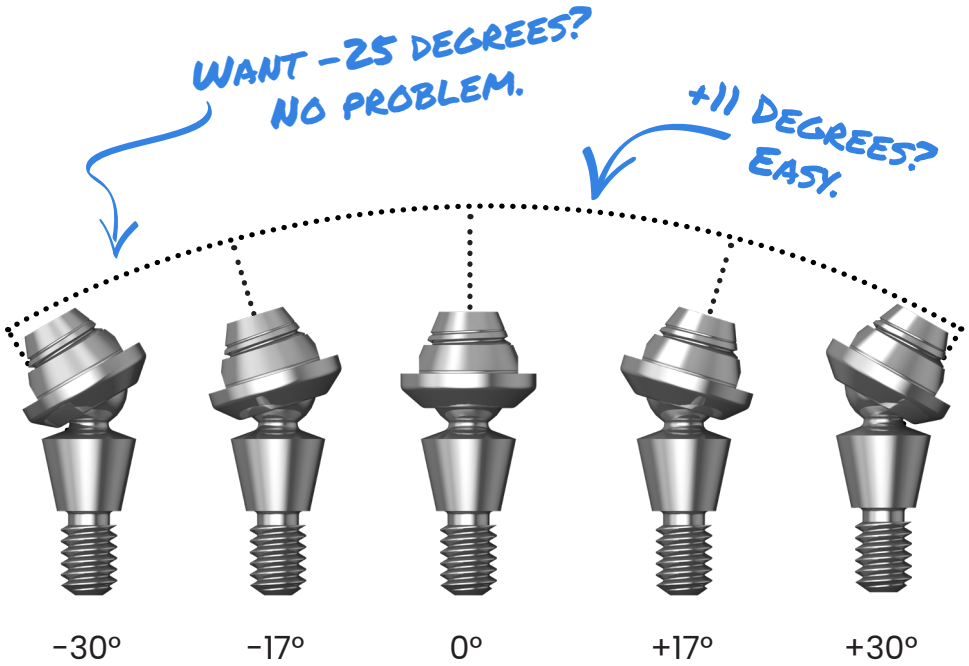
OMNIBUT

ONE ABUTMENT,
INFINITELY ADJUSTABLE.

TECHNIQUE MANUAL



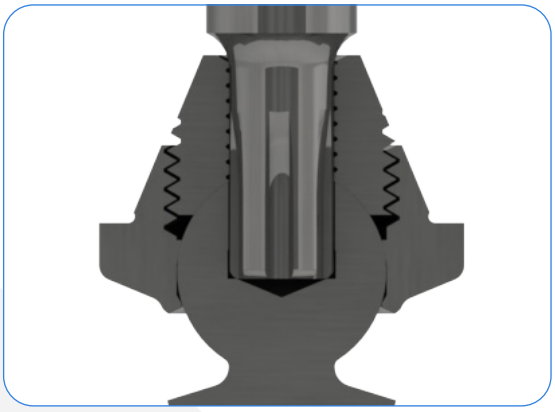
FROM - 30° TO + 30°, AND EVERYWHERE IN BETWEEN.



WATCH TRAINING VIDEOS AND MORE

OMNIBUT PROTOCOL

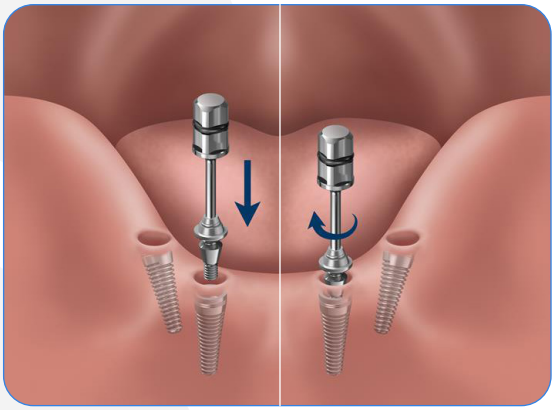
SmartOn



1

Select the Omnibut compatible with the implant. Ensure that the Omnibut Base Driver is bottomed into the Omnibut Drive Feature.

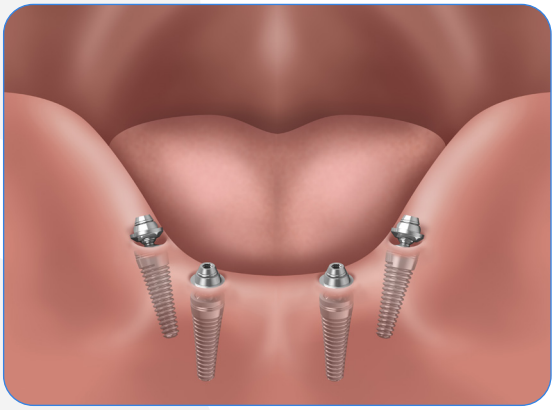
Note: If the Omnibut is not aligned, use the T6 Driver to loosen the Orientation Screw 1 half turn and straighten it.



2

Insert and hand tighten an Omnibut into each implant.

Note: It is recommended to verify the final abutment seating using radiographic imaging.



3

Using a torque wrench with the Omnibut Base Driver, tighten the abutments into the implants according to the table below:

Implant System	Recommended Torque
NobelActive CC	35 Ncm
Neodent GM	32 Ncm
Straumann BLX	35 Ncm
Zimmer TSV	30 Ncm

Caution: Never exceed recommended maximum tightening torque for the abutment. Overtightening of abutment may lead to fracture.

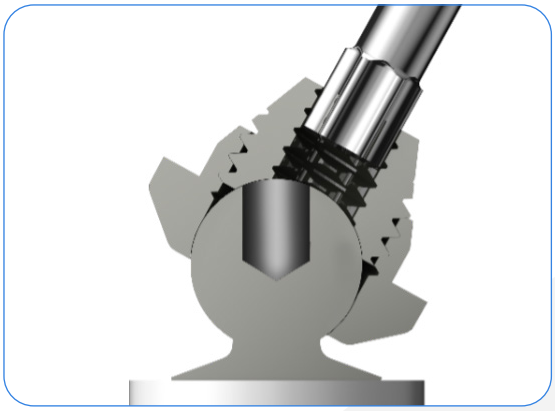
Note: Always refer to the original implant manufacturer's Instructions For Use with regards to the implant indications and contraindications, as well as tooling and tightening torque.

4 Insert the T6 driver into the Omnibut Orientation Screw and loosen the screw. Use the T6 Driver to angle the Omnibut swivel the desired location, then finger tighten the Orientation Screw until resistance is felt.

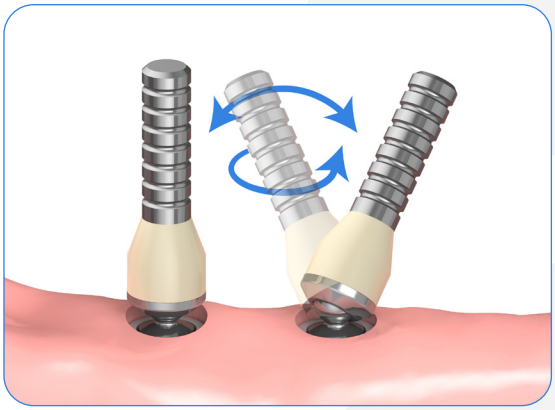
Note: This will maintain the orientation but allow for small changes in Step 5.

Note: If necessary to loosen the Orientation Screw, do not loosen more than 1 half turn to avoid full removal.

Note: Do not use the T6 Driver to orient the swivel after the Orientation Screw is tightened to avoid damage to the threads.

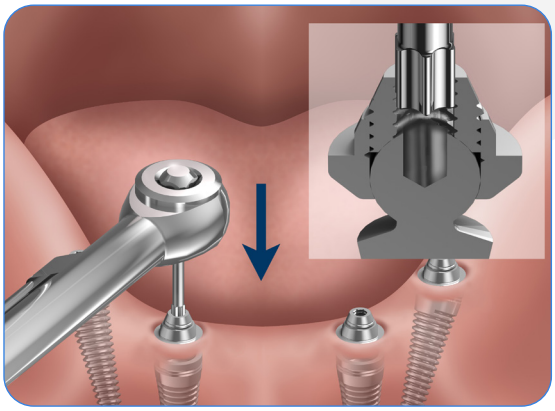


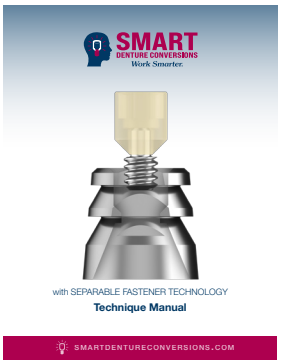
5 To verify the angulation, screw in the Omnibut Orientation Post and make small adjustments, as needed. Do this for all Omnibuts.



6 When the desired orientation is reached for all Omnibuts, unscrew the Orientation Posts.

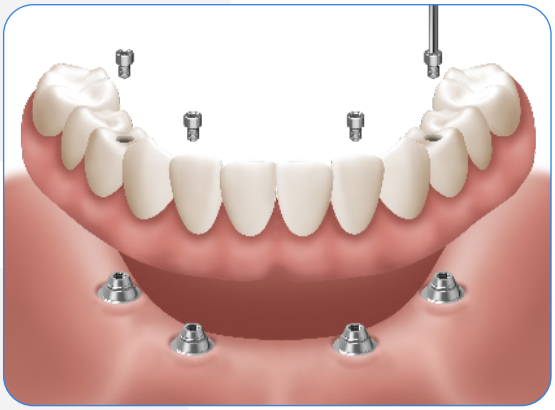
7 Using a torque wrench with a T6 Driver, tighten the Orientation Screw to 25 Ncm.



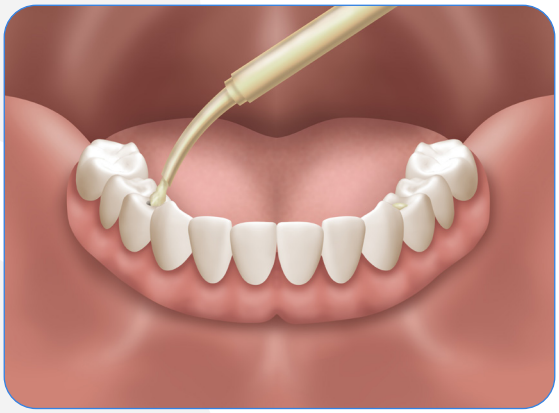


8 Provisionalize the patient using the preferred technique.

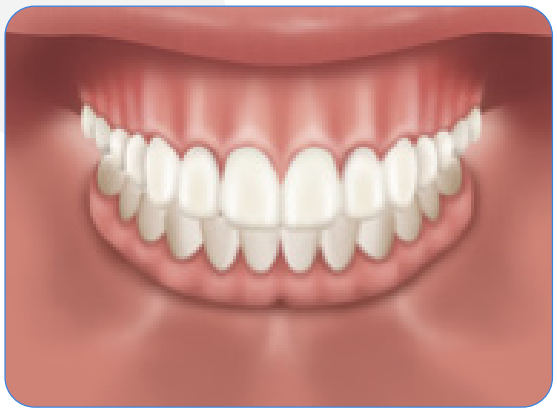
To use the Smart Denture Conversion technique, download the SDC Technique Manual on SmartOnX.com.



9 Deliver prosthesis by tightening the Prosthetic Screws with the T6 driver. Torque the Prosthetic Screws down to 15 Ncm.



10 Add filling material of choice to cover the Prosthetic Screw access holes.



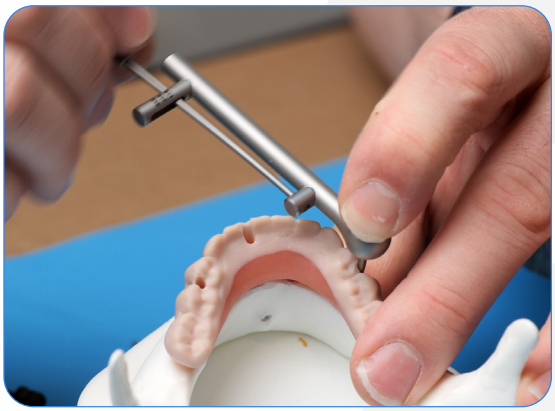
11 Verify occlusion of finished prosthesis.

PROSTHESIS REMOVAL

1 Release the torque tension of each Prosthetic Screw but ***do not remove from the abutment immediately.***

Doing so should prevent Orientation Screws from coming out with a Prosthetic Screw as tension is released evenly. If the Orientation Screw does come out with the Prosthetic Screw, please see instructions on page 14.

2 Remove the Prosthetic Screws in a star pattern, which removes tension evenly across the prosthesis.

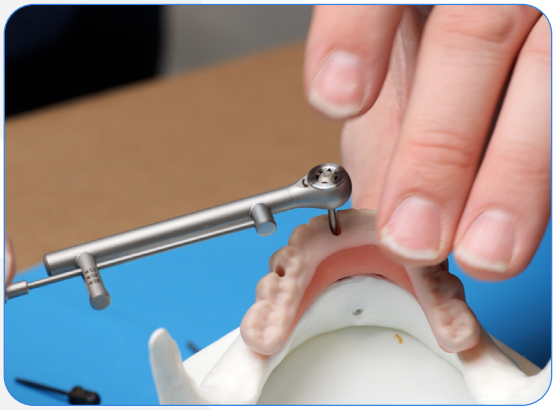


READJUSTING OMNIBUT ORIENTATION

FOR CHANGES BETWEEN PROVISIONALS OR PROVISIONAL TO FINAL

If you want a different abutment angulation in preparation for a new provisional or final restoration, follow the protocol below.

REVIEW PREVIOUS SECTION



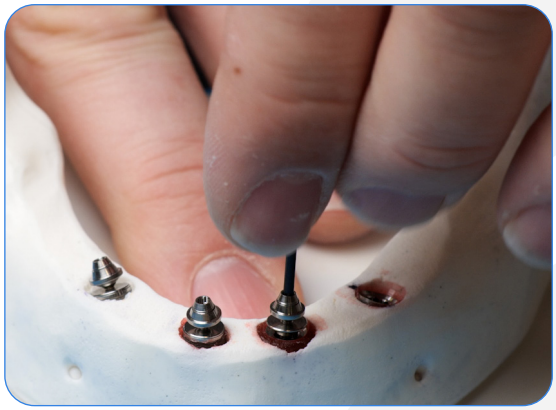
1 Remove the prosthesis according to the steps outlined in (previous section).

2 Using the T6 Driver, loosen the Orientation Screw. Use the T6 Driver or Orientation Post to reorient to the desired angulation.

3 Torque down the Orientation Screws to 25 Ncm.

4 Take an impression or scan of the new abutment positions using preferred method.

5 When the impression or scan is complete, simply reorient the abutments to the angulation for the existing prosthesis. The prosthesis can be placed over the Omnibuts, even if they are not fully passive.



6 Apply pressure to the prosthesis or ask the patient to bite lightly. This will rotate the Omnibut swivels so that the prosthesis sits passively.

7 Retorque the Orientation Screws to 25 Ncm.

8 Insert Prosthetic Screws and retorque Screws to 15 Ncm.

TROUBLESHOOTING

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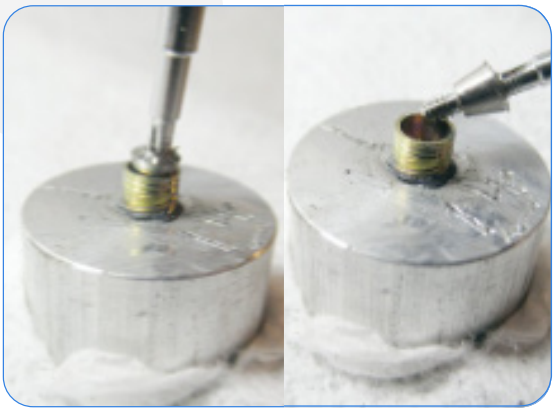
In the event that the neck of the Omnibut breaks, follow the protocol outlined below.

Smart On X offers Rescue Tools which can be found at SmartOnX.com/Omnibut.com.

1 Use a Ball End Bur to create a shallow recess in the fractured surface to facilitate centering of the drill.

2 Using a 1.3mm Reverse Drill Bit in a counter clockwise drill, center drill in recess parallel to the axis of the implant. Drill 2-3mm deep at 3000RPM.



3 Insert a 1.3mm Tap Drill parallel to hole/ implant axis. Apply vertical force to extractor and rotate counter clock wise to extract the abutment from the implant.

REORIENTING AN ABUTMENT THROUGH THE PROSTHESIS

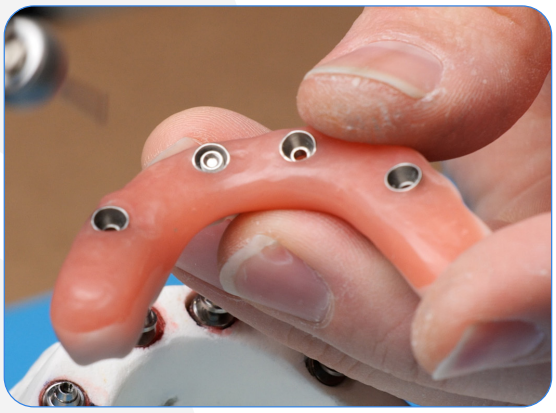
If the prosthesis is not fully passive when placed on the Omnibuts, the swivel attachment can be re-oriented to the correct location through the screw access channel.

1 Ensure that Omnibut screw channel is accessible through the TiBase. Insert the long T6 Driver through the screw channel to access the Omnibut.

2 Use the T6 driver to orient the top of the Omnibut so that it aligns properly with the screw channel and allows the prosthesis to sit passive.

3 Using the T6 driver, tighten the Orientation Screw to 25 Ncm.

ORIENTATION SCREW IS REMOVED WITH THE PROSTHETIC SCREW



Example of an Orientation Screw stuck to a Prosthetic Screw inside the denture.

1 Wedge a periosteal elevator between the inner wall of the TiBase and the outer wall of the Orientation Screw. This creates sufficient friction to prevent the Orientation Screw from rotating.

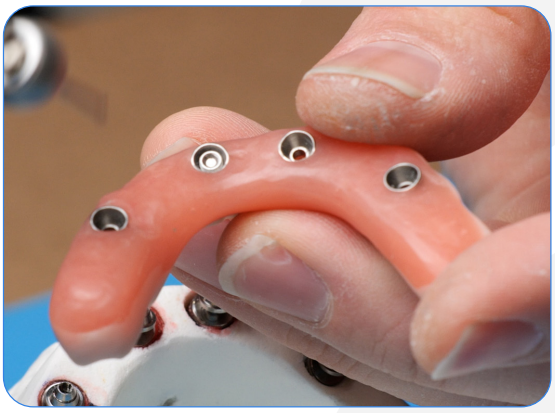
2 Unscrew the Prosthetic Screw.

REPLACEMENT OF THE ORIENTATION SCREW

1

If an Orientation Screw is removed from the abutment, it can be retightened into the swivel attachment. If an Orientation Screw is lost, it can be replaced.

Replacements: OS1PK or OS10PK



2

Use the T6 Driver to handle the Orientation Screw. The SDC T6 driver that is recommended matches SCS (ex: Straumann, Preat) size drivers.

3

Align the Orientation Screw with the swivel attachment and screw it in, then continue at where you were in the Omnibut protocol.

DELAYED LOADING

1. If the required tightening torque for Immediate function (see manufacturer's recommended torque in table on the next page) cannot be achieved or the treatment of choice is a delayed loading protocol, a conventional healing phase is recommended prior to delivery of a provisional or final restoration.

2. Place OEM cover screws or healing abutments on all implants and suture.

3. Once sufficient osseointegration has occurred, resume restorative phase with insertion and orientation of Omnibuts.

Implant System	Recommended Torque
Nobel CC	35 Ncm
Neodent GM	32 Ncm
Straumann BLX	35 Ncm
Zimmer TSV	30 Ncm

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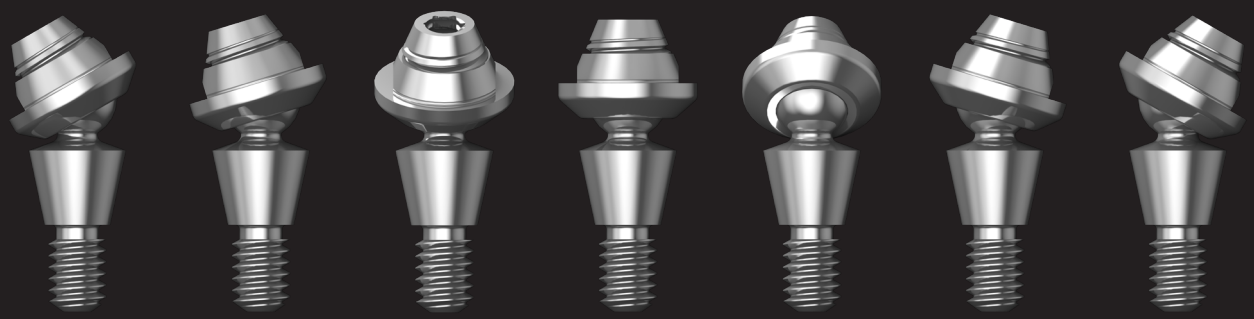

OMNIBUT

ONE ABUTMENT,
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TECHNIQUE MANUAL

LBL-010 REV A

ISSUED: 1/22/2025